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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

03/12/2008

ENGLAND, DAVID E

BAKER BOTTS L.L.P. 2001 ROSS AVENUE SUITE 600 DALLAS, TX 75201-2980 ENGLAND, DAVID E

ART UNIT PAPER NUMBER

EXAMINER

2143

DATE MAILED: 03/12/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/219,071	12/22/1998	RICHARD E. HEADLEY	063170.7178	2289

TITLE OF INVENTION: SYSTEM FOR SCHEDULING AND MONITORING COMPUTER PROCESSES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	06/12/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	R	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
09/219,071 ITLE OF INVENTION	12/22/1998 E: SYSTEM FOR SCHEI		RICHARD E. HEADLE [*] RING COMPUTER PRO			063170.7178	2289
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0		\$1440	06/12/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
ENGLAND	, DAVID E	2143	709-202000	-			
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up to or agents OR, alternate (2) the name of a sing registered attorney or	a single firm (having as a member a ey or agent) and the names of up to nt attorneys or agents. If no name is			
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a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			 Payment of Fee(s): (Ple A check is enclosed. Payment by credit ca The Director is hereb overpayment, to Dep 	rd. Form PTO-2038	is atta	ched.	
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BAKER BOTTS	S L.L.P.	ENGLAND, DAVID E			
2001 ROSS AVE	NUE	ART UNIT PAPER NUMB			
SUITE 600			2143		

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	09/219,071	HEADLEY ET AL.
Notice of Allowability	Examiner	Art Unit
	DAVID E. ENGLAND	2143
The MAILING DATE of this communication apperatus All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the coordinate (OR REMAINS) CLOSED in this apport or other appropriate communication IGHTS. This application is subject to	plication. If not included n will be mailed in due course. THIS
1. This communication is responsive to <u>10/26/2007</u> .		
2. The allowed claim(s) is/are <u>1-50</u> .		
3. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the content of	e been received. e been received in Application No cuments have been received in this of this communication to file a reply MENT of this application. hitted. Note the attached EXAMINER es reason(s) why the oath or declara est be submitted. son's Patent Drawing Review (PTO s Amendment / Comment or in the C .84(c)) should be written on the drawithe header according to 37 CFR 1.121(national stage application from the complying with the requirements 'S AMENDMENT or NOTICE OF ation is deficient. 948) attached Office action of the back of d).
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal F	Patent Application
Notice of Neterences Great (170-092) Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	• •
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Da 7.	te
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		ent of Reasons for Allowance

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DETAILED ACTION

Reasons for Allowance

- 1. The following is an examiner's statement of reasons for allowance: the closest prior art of record (Barroux 6182110 and Li et al. 5596750) does not teach nor suggest in detail, a job scheduling device for scheduling jobs to run on at least two nodes of at least one computing platform, comprising:
- 2. at least two local job repositories, each local job repository installed on a separate one of the at least two nodes and each local job repository configured to maintain job information on each job submitted to the node where the local job repository is installed, the job information including job parameters needed to execute each job; and
- 3. at least two enterprise scheduling agents, each enterprise scheduling agent installed on a separate one of the at least two nodes and each enterprise scheduling agent configured to:
- 4. access the job information maintained by the local job repository;
- 5. schedule for execution each ,lob submitted to the node where the local job repository, is installed;
- 6. determine when to execute each job submitted to the node where the local job repository is installed; and
- 7. launch execution of each job submitted to the node based on the determination;
- 8. a presentation system configured to accept and validate parameters identifying at least one job to be submitted for execution on at least one of the nodes; and

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9. a job scheduler configured to allocate at least one job based on the parameters to at least

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one of the nodes and to submit the allocated jobs to the at least one of the nodes;

10. wherein the job scheduler is communicatively coupled to the at least two nodes by a

network, as taught by the Applicant (see Arguments dated 10/26/2007, pages 17 - 20;

Specification as of 12/22/1998, pages 14 - 20 and 52 - 60; and Drawings dated 10/29/2007,

Figures 2 – 7B of Applicant's enabling portions of the specification and drawings).

11. Examiner finds Applicant's arguments in regards to the prior art of Barroux and Li

persuasive. More specifically, the arguments in regards to the newly amended claim language

that teaches, "schedule for execution each job submitted to the node where the local job

repository is installed," in combination with each enterprise scheduling agent installed on a

separate one of the at least two nodes and each enterprise scheduling agent configured to: access

the job information maintained by the local job repository and determining when to execute each

job submitted to the node where the local job repository is installed.

12. Barroux does teach each node having an agent installed on it but the agents that are

installed to not perform the tasks in the system. In columns 18 and 19 of Barroux, it states that

the task scheduler uses a SNMP probe to retrieve information from the agents on the nodes and

uses that information to process the tasks at the scheduler and not the node itself.

13. The prior art of Li also does not teach scheduling jobs for the agents on different nodes

and then having the enterprise scheduling agent again schedule for execution each job submitted

to the node. Li teaches tasks being linked to roles that are executed by actors (agents). What is

also ambiguous about Li is the location of specific actors and the rescheduling that is performed

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at the not where the actor is located. The prior art schedules execution once and then sends the task to a type of agent for execution.

14. The dependent claims further limit the independent claims and are considered allowable on the same basis as the independent claim as well as for the further limitations set forth. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

15. Claims 1 - 50 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID E. ENGLAND whose telephone number is (571)272-3912. The examiner can normally be reached on Mon-Thur, 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

David E. England Examiner Art Unit 2143

/D. E. E./ Examiner, Art Unit 2143

/Nathan J. Flynn/ Supervisory Patent Examiner, Art Unit 2154